

## Trailer Mounted Thermal Oxidizer Model TO-4500

The TO-4500 is a trailer mounted, natural gas or propane pre-heated thermal oxidizer designed to treat hydrocarbon contaminated air streams. The unit and controls can be converted to operate with a catalyst module insert. The oxidizer is designed to operate completely independent of the process and is equipped with an enable/disable signal interface in the system control panel.

### Base System Components

Stainless Steel Outer Shell	UL Listed, Nema 4 Control Panel
High Temperature Refractory	PLC w/ First Outage Fault Finder
Trailer Mounted	Thermocouple Temperature Control
Oxidizer Process Blower	Hour Meter
Protection Cage Around System	Automatic Purge Valve
*Raw Gas Burner & FM Gas Train	Air Flow Sensor and Gauge
Stainless Steel Exhaust Stack	Instrumentation Package

\*Raw gas burner requires 18% minimum oxygen content to maintain a stable flame.

### Specifications

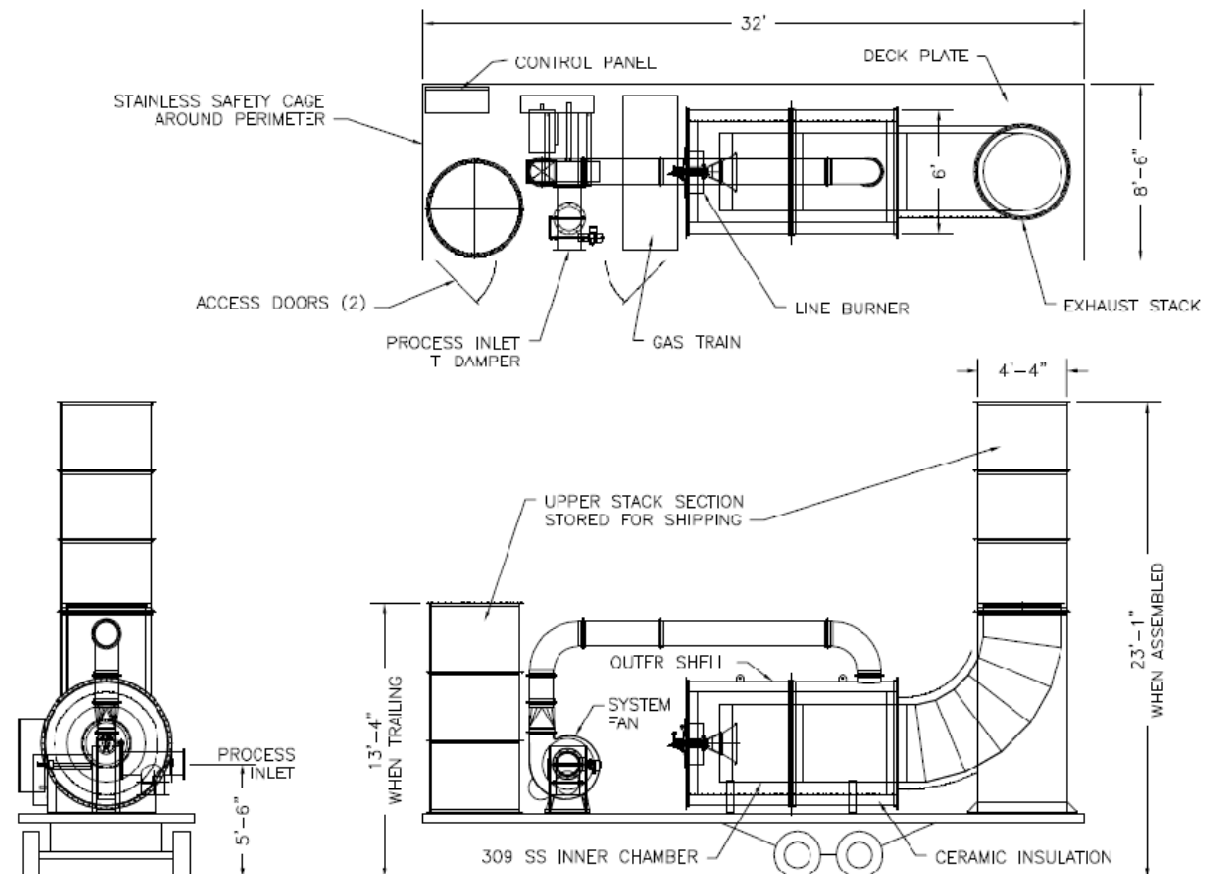
Maximum Air Flow Capacity:	4,500 SCFM
Minimum Air Flow:	1,600 SCFM
Maximum Inlet Temperature from Source:	300° F.
Burner Capacity:	6,800,000 BTUH
Inlet Connection:	14" Dia.
Stack Height:	23' Above Ground
Stack Diameter:	52"
Thermal Operating Temperature:	1300 degree F.
Maximum Thermal Operating Temperature:	1750 degree F.
Optional Catalyst Module:	Precious Metal Monolith
Catalyst Operating Temperature:	650 degree F.
Maximum Catalyst Operating Temperature:	1200 degree F.
Maximum Hydrocarbon Throughput:	50% LEL in Thermal Mode 25% LEL in Catalytic Mode
Oxidizer Process Blower:	20 HP
Time To Reach Operating Temperature:	15 Minutes from cold start
Noise level:	<84 dBA at a distance of 10'
Power Requirements:	460/3/60, 30 FLA
Trailer:	14,000 LB. Dual Axle





# Pollution Systems

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